IN THE SPECIFICATION:

Please amend the specification as shown below.

1.   Please replace the paragraph on page 5, lines 13-16, with the following amended paragraph:

FIG. 1 illustrates a computer for creating an executable compiled program for run-time tracing, including a trace ~~parser~~ <u>inserter</u> for incorporating trace points in a code of the program and in the executable compiled program, according to embodiments of the present invention;

2.   Please replace the paragraph on Page 13, lines 8-21, with the following amended paragraph:

The method 600 then proceeds with a step 604 in which a next line of the code (i.e., the pre-processed code with inserted trace points) is read. In a step 606, the line of code is assessed to determine if the line includes a function call. A look-up operation is then performed in a step 608 for the function corresponding to the function call. The look-up is performed in trace database 500 of Fig. 5 created by the method 600. The trace database 500 associates a unique identifier (i.e., trace id) with each trace point within the code. If the method 600 has previously been performed for the code or a predecessor version of the code, then an existing <u>entry in a</u> trace database 500 could be available. Otherwise, the function will not be found in an existing <u>entry in a</u> trace database 500, and the method 600 proceeds to a step 610 of creating <u>a new entry in a</u> ~~the~~ trace database 500. If there is any existing <u>entry in a</u> trace database 500 of the code or predecessor versions which includes the function corresponding to the particular function call, then a step 612 modified by adding to the trace database 500 if there has been any change to the source code then being handled by the method 600.

3.   Please replace the paragraph on Page 19, lines 13-23 with the following amended paragraph:

A source code program 10002, for example a C++ language software program or other compilable program, including, without limitation, a run-time compilable program,

is compiled by the trace compiler 104. As previously described, the trace compiler 104 includes the pre-processor 106, the trace ~~parser~~ inserter 110 for inserting trace points at function entry and exit points of the code, and the code builder 108 (which can include compiling and linking functions). Also as previously described, the trace ~~parser~~ inserter 110 performs the trace database creation or modification method 600, by building or adding to the trace database 500 so that the database 500 includes trace ids corresponding to trace points of the code and also relevant information that corresponds to occurrences encountered at trace points during code execution in order to derive useable trace information.